

AMENDMENT

Subject matter to be added is in bold and underlined.

Subject matter to be deleted is in bold and strikethrough.

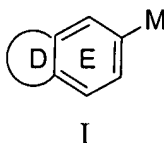
**In the Claims:**

Please enter rewritten Claims 1-4 and 6 as follows.

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. (Amended) A compound of formula I:



or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;

ring D is selected from -CH<sub>2</sub>N=CH-, -CH<sub>2</sub>CH<sub>2</sub>N=CH-, and a 5-6 membered aromatic ring consisting of carbon atoms and 0-2 heteroatoms selected from the group N, O, and S;

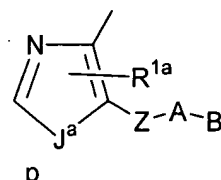
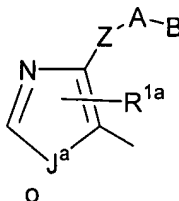
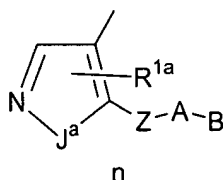
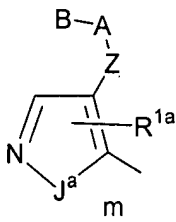
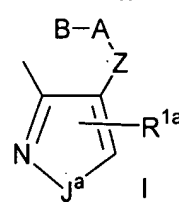
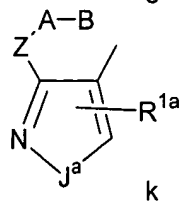
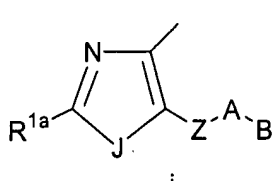
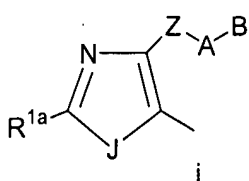
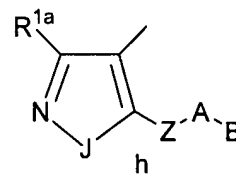
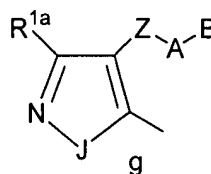
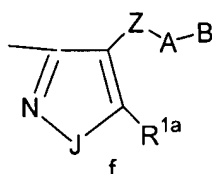
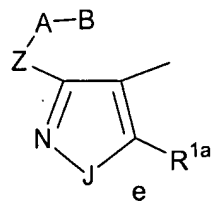
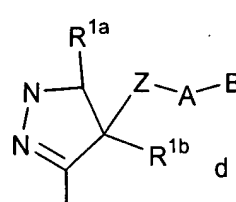
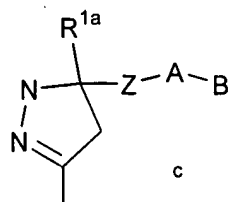
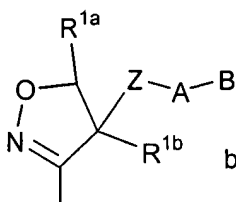
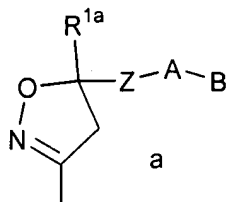
~~provided that ring D is other than a 5-membered aromatic ring when M is structure q, t, or u;~~

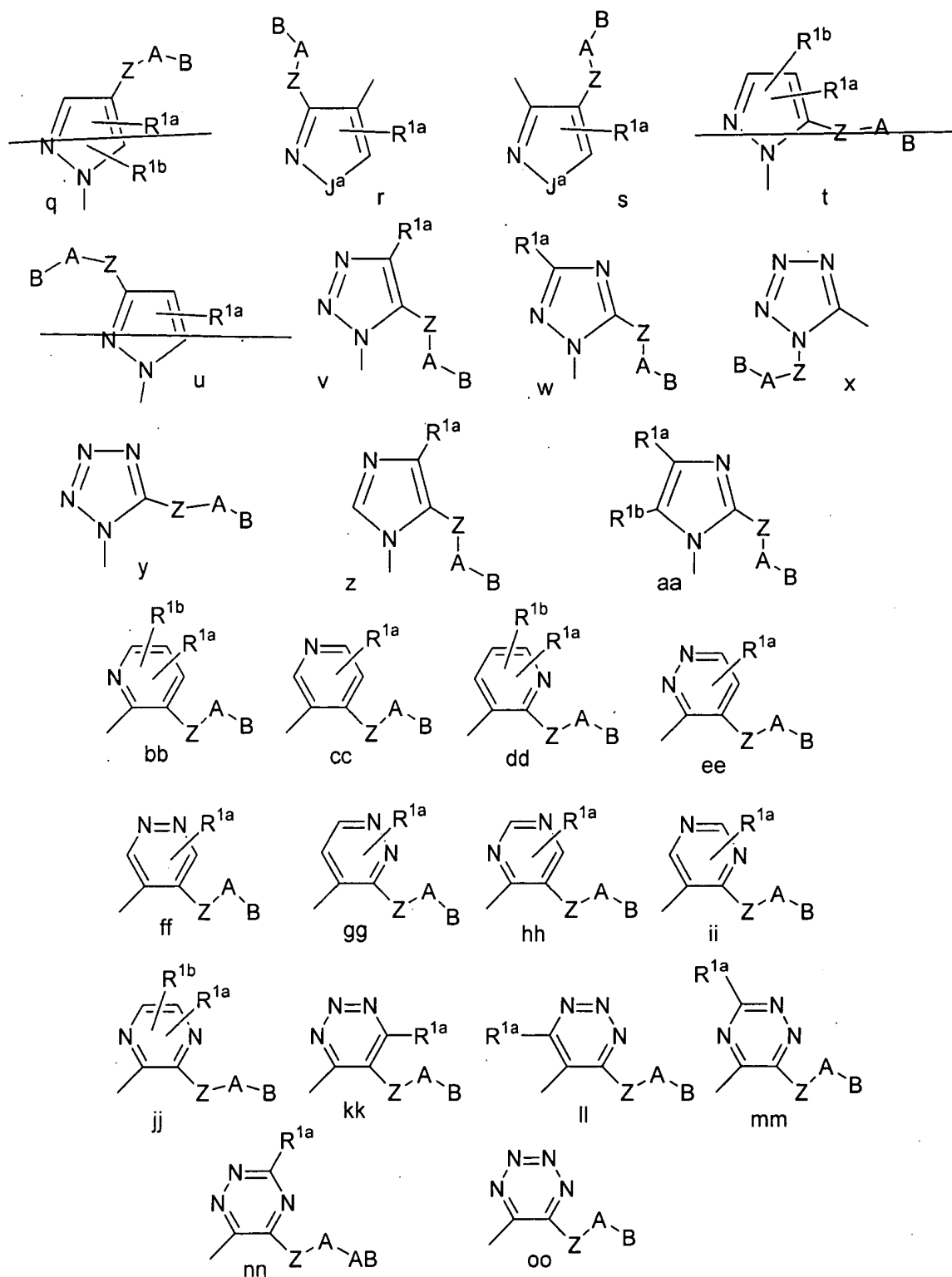
ring D is substituted with 0-2 R, provided that when ring D is unsubstituted, at least one ring heteratom is present therein;

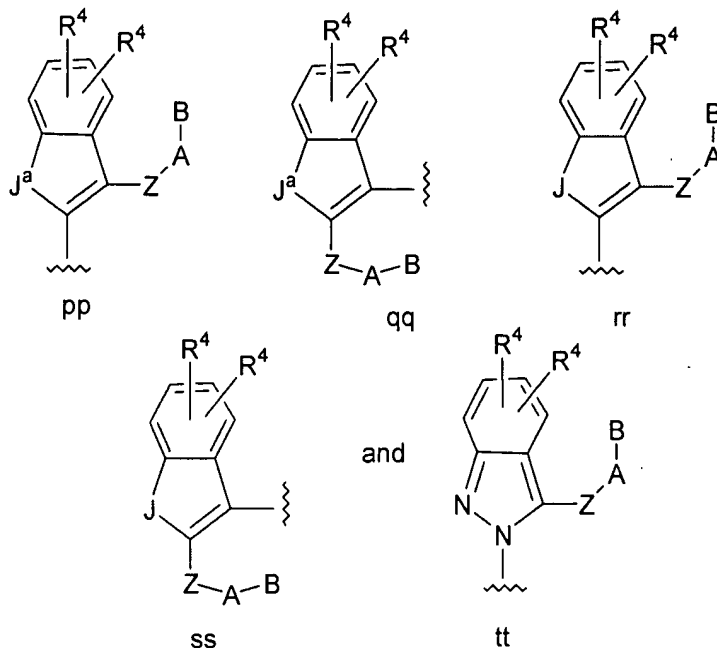
ring E consists of 0-2 N atom and is substituted by 0-1 R

R is selected from Cl, F, Br, I, OH, C<sub>1-3</sub> alkoxy, NH<sub>2</sub>, NH(C<sub>1-3</sub> alkyl), N(C<sub>1-3</sub> alkyl)<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>, CH<sub>2</sub>NH(C<sub>1-3</sub> alkyl), CH<sub>2</sub>N(C<sub>1-3</sub> alkyl)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>NH(C<sub>1-3</sub> alkyl), and CH<sub>2</sub>CH<sub>2</sub>N(C<sub>1-3</sub> alkyl)<sub>2</sub>;

M is selected from the group:







J is O or S;

J<sup>a</sup> is NH or NR<sup>1a</sup>;

Z is selected from ~~a bond~~, C<sub>1-4</sub> alkylene, (CH<sub>2</sub>)<sub>r</sub>O(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>C(O)(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>C(O)O(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>OC(O)(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>3</sup>(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>C(O)(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>OC(O)O(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>OC(O)NR<sup>3</sup>(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>C(O)O(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>C(O)NR<sup>3</sup>(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>SO<sub>2</sub>NR<sup>3</sup>(CH<sub>2</sub>)<sub>r</sub>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>SO<sub>2</sub>(CH<sub>2</sub>)<sub>r</sub>, and (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>SO<sub>2</sub>NR<sup>3</sup>(CH<sub>2</sub>)<sub>r</sub>, provided that Z does not form a N-N, N-O, N-S, NCH<sub>2</sub>N, NCH<sub>2</sub>O, or NCH<sub>2</sub>S bond with ring M or group A;

R<sup>1a</sup> and R<sup>1b</sup> are independently H or selected from -(CH<sub>2</sub>)<sub>r</sub>-R<sup>1'</sup>, -CH=CH-R<sup>1'</sup>, NCH<sub>2</sub>R<sup>1''</sup>, OCH<sub>2</sub>R<sup>1''</sup>, SCH<sub>2</sub>R<sup>1''</sup>, NH(CH<sub>2</sub>)<sub>2</sub>(CH<sub>2</sub>)<sub>t</sub>R<sup>1'</sup>, O(CH<sub>2</sub>)<sub>2</sub>(CH<sub>2</sub>)<sub>t</sub>R<sup>1'</sup>, and S(CH<sub>2</sub>)<sub>2</sub>(CH<sub>2</sub>)<sub>t</sub>R<sup>1'</sup>;

alternatively, R<sup>1a</sup> and R<sup>1b</sup>, when attached to adjacent carbon atoms, together with the atoms to which they are attached form a 5-8 membered saturated, partially saturated or unsaturated ring substituted with 0-2 R<sup>4</sup> and which consists of carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S;

alternatively, when Z is C(O)NH and R<sup>1a</sup> is attached to a ring carbon adjacent to Z, then R<sup>1a</sup> is a C(O) which replaces the amide hydrogen of Z to form a cyclic imide;

R<sup>1'</sup> is selected from H, C<sub>1-3</sub> alkyl, F, Cl, Br, I, -CN, -CHO, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2c</sup>, OC(O)R<sup>2</sup>, (CF<sub>2</sub>)<sub>r</sub>CO<sub>2</sub>R<sup>2c</sup>, S(O)<sub>p</sub>R<sup>2b</sup>, NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, C(=NR<sup>2c</sup>)NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)NHR<sup>2b</sup>, NR<sup>2</sup>C(O)<sub>2</sub>R<sup>2a</sup>, OC(O)NR<sup>2a</sup>R<sup>2b</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, C(O)NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>2b</sup>, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4</sup>, and 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4</sup>;

R<sup>1''</sup> is selected from H, CH(CH<sub>2</sub>OR<sup>2</sup>)<sub>2</sub>, C(O)R<sup>2c</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, S(O)R<sup>2b</sup>, S(O)<sub>2</sub>R<sup>2b</sup>, and SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>;

R<sup>2</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-6</sub> alkyl, benzyl, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

R<sup>2a</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-6</sub> alkyl, benzyl, phenethyl, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

R<sup>2b</sup>, at each occurrence, is selected from CF<sub>3</sub>, C<sub>1-4</sub> alkoxy, C<sub>1-6</sub> alkyl, benzyl, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

R<sup>2c</sup>, at each occurrence, is selected from CF<sub>3</sub>, OH, C<sub>1-4</sub> alkoxy, C<sub>1-6</sub> alkyl, benzyl, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

alternatively,  $R^2$  and  $R^{2a}$ , together with the atom to which they are attached, combine to form a 5 or 6 membered saturated, partially saturated or unsaturated ring substituted with 0-2  $R^{4b}$ , wherein 0-1 additional ring heteroatoms selected from the group consisting of N, O, and S are present;

$R^3$ , at each occurrence, is selected from H,  $C_{1-4}$  alkyl, and phenyl;

$R^{3a}$ , at each occurrence, is selected from H,  $C_{1-4}$  alkyl, and phenyl;

$R^{3c}$ , at each occurrence, is selected from  $C_{1-4}$  alkyl, and phenyl;

A is selected from:

C<sub>5-6</sub> ~~C<sub>3-10</sub>~~ carbocycle substituted with 0-2  $R^4$ , and  
5-6 ~~5-10~~ membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2  $R^4$ ;

B is selected from: H, Y, and X-Y;

X is selected from  $C_{1-4}$  alkylene,  $-CR^2(CR^2R^{2b})(CH_2)_t-$ ,  $-C(O)-$ ,  $-C(=NR^{1''})-$ ,  $-CR^2(NR^{1''}R^2)-$ ,  $-CR^2(OR^2)-$ ,  $-CR^2(SR^2)-$ ,  $-C(O)CR^2R^{2a}-$ ,  $-CR^2R^{2a}C(O)-$ ,  $-S(O)_p-$ ,  $-S(O)_pCR^2R^{2a}-$ ,  $-CR^2R^{2a}S(O)_p-$ ,  $-S(O)_2NR^2-$ ,  $-NR^2S(O)_2-$ ,  $-NR^2S(O)_2CR^2R^{2a}-$ ,  $-CR^2R^{2a}S(O)_2NR^2-$ ,  $-NR^2S(O)_2NR^2-$ ,  $-C(O)NR^2-$ ,  $-NR^2C(O)-$ ,  $-C(O)NR^2CR^2R^{2a}-$ ,  $-NR^2C(O)CR^2R^{2a}-$ ,  $-CR^2R^{2a}C(O)NR^2-$ ,  $-CR^2R^{2a}NR^2C(O)-$ ,  $-NR^2C(O)O-$ ,  $-OC(O)NR^2-$ ,  $-NR^2C(O)NR^2-$ ,  $-NR^2-$ ,  $-NR^2CR^2R^{2a}-$ ,  $-CR^2R^{2a}NR^2-$ , O,  $-CR^2R^{2a}O-$ , and  $-OCR^2R^{2a}-$ ;

Y is selected from:

$(CH_2)_tNR^2R^{2a}$ , provided that X-Y do not form a N-N, O-N, or S-N bond,  
 $C_{3-10}$  carbocycle substituted with 0-2  $R^{4a}$ , and  
5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2  $R^{4a}$ ;

$R^4$ , at each occurrence, is selected from H, =O,  $(CH_2)_rOR^2$ , F, Cl, Br, I,  $C_{1-4}$  alkyl, -CN,  $NO_2$ ,  $(CH_2)_rNR^2R^{2a}$ ,  $(CH_2)_rC(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $NR^2C(O)NR^2R^{2a}$ ,  $C(=NR^2)NR^2R^{2a}$ ,  $C(=NS(O)_2R^5)NR^2R^{2a}$ ,  $NHC(=NR^2)NR^2R^{2a}$ ,  $C(O)NHC(=NR^2)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2NR^2R^{2a}$ ,  $NR^2SO_2-C_{1-4}$  alkyl,  $NR^2SO_2R^5$ ,  $S(O)_pR^5$ ,  $(CF_2)_rCF_3$ ,  $NCH_2R^{1'}$ ,  $OCH_2R^{1'}$ ,  $SCH_2R^{1'}$ ,  $N(CH_2)_2(CH_2)_tR^{1'}$ ,  $O(CH_2)_2(CH_2)_tR^{1'}$ , and  $S(CH_2)_2(CH_2)_tR^{1'}$ ,

alternatively, one  $R^4$  is a 5-6 membered aromatic heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S;

provided that if B is H, then  $R^4$  is other than tetrazole, C(O)-alkoxy, and  $C(O)NR^2R^{2a}$ ;

$R^{4a}$ , at each occurrence, is selected from H, =O,  $(CH_2)_rOR^2$ ,  $(CH_2)_rF$ ,  $(CH_2)_rBr$ ,  $(CH_2)_rCl$ , I,  $C_{1-4}$  alkyl, -CN,  $NO_2$ ,  $(CH_2)_rNR^2R^{2a}$ ,  $(CH_2)_rNR^2R^{2b}$ ,  $(CH_2)_rC(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $C(O)NH(CH_2)_2NR^2R^{2a}$ ,  $NR^2C(O)NR^2R^{2a}$ ,  $C(=NR^2)NR^2R^{2a}$ ,  $NHC(=NR^2)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2NR^2R^{2a}$ ,  $NR^2SO_2-C_{1-4}$  alkyl,  $C(O)NHSO_2-C_{1-4}$  alkyl,  $NR^2SO_2R^5$ ,  $S(O)_pR^5$ , and  $(CF_2)_rCF_3$ ;

alternatively, one  $R^{4a}$  is a 5-6 membered aromatic heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S and substituted with 0-1  $R^5$ ;

$R^{4b}$ , at each occurrence, is selected from H, =O,  $(CH_2)_rOR^3$ , F, Cl, Br, I,  $C_{1-4}$  alkyl, -CN,  $NO_2$ ,  $(CH_2)_rNR^3R^{3a}$ ,  $(CH_2)_rC(O)R^3$ ,  $(CH_2)_rC(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $NR^3C(O)NR^3R^{3a}$ ,  $C(=NR^3)NR^3R^{3a}$ ,  $NHC(=NR^3)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $NR^3SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $NR^3SO_2$ -phenyl,  $S(O)_pCF_3$ ,  $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl, and  $(CF_2)_rCF_3$ ;

$R^5$ , at each occurrence, is selected from  $CF_3$ ,  $C_{1-6}$  alkyl, phenyl substituted with 0-2  $R^6$ , and benzyl substituted with 0-2  $R^6$ ;

$R^6$ , at each occurrence, is selected from H, OH,  $(CH_2)_rOR^2$ , F, Cl, Br, I,  $C_{1-4}$  alkyl, CN,  $NO_2$ ,  $(CH_2)_rNR^2R^{2a}$ ,  $(CH_2)_rC(O)R^{2b}$ ,  $NR^2C(O)R^{2b}$ ,  $NR^2C(O)NR^2R^{2a}$ ,

$C(=NH)NH_2$ ,  $NHC(=NH)NH_2$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2NR^2R^{2a}$ , and  $NR^2SO_2C_{1-4}$  alkyl;

p is selected from 0, 1, and 2;

r is selected from 0, 1, 2, and 3;

s is selected from 0, 1, and 2; and,

t is selected from 0 and 1;

**provided that when:**

**~~(a) ring D is furan, thiophene, pyrrole, isoxazole, isothiazole, or pyrazole, then Z is other than a bond; and,~~**

**~~(b) A is benzofuran, benzothiophene, indole, benzisoxazole, benzisothiazole, or indazole, then:~~**

**~~(i) ring M is pyrazole, or~~**

**~~(ii) Z is other than a bond or  $C_{1-4}$  alkylene.~~**

2. (Amended) A compound according to Claim 1, wherein:

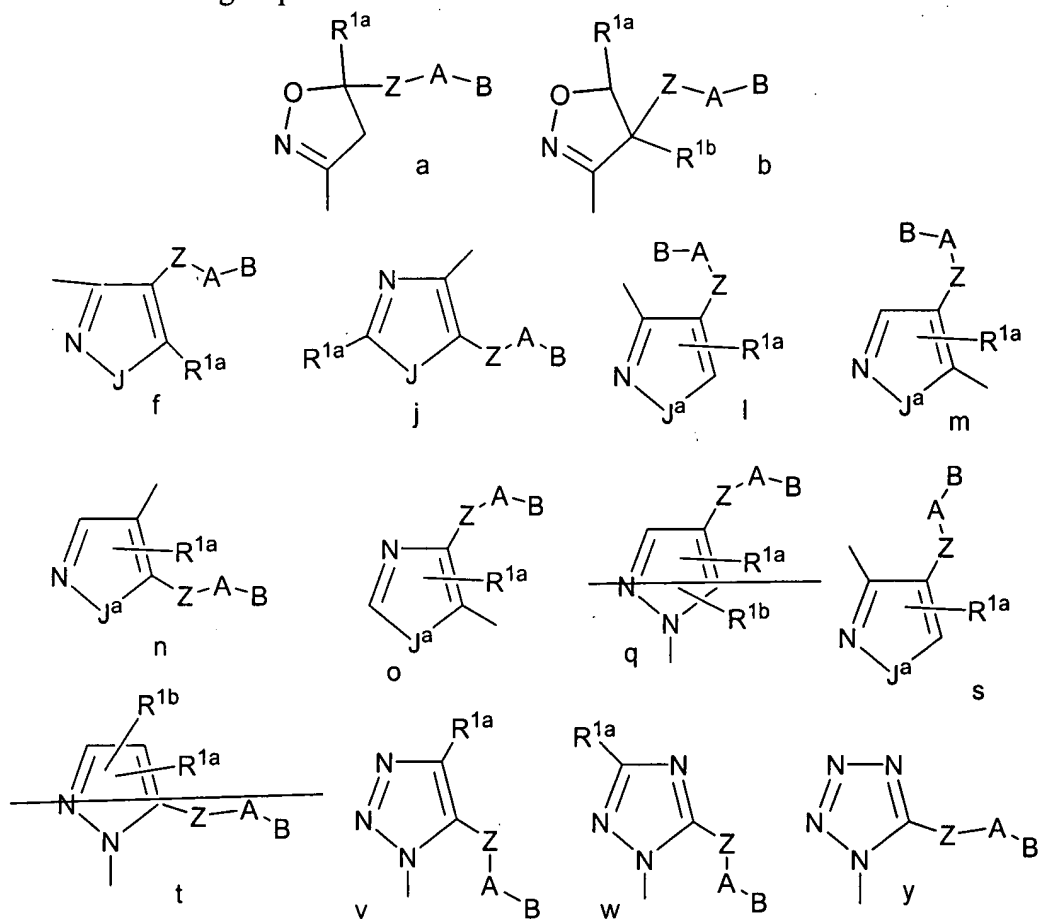
D-E is selected from the group:

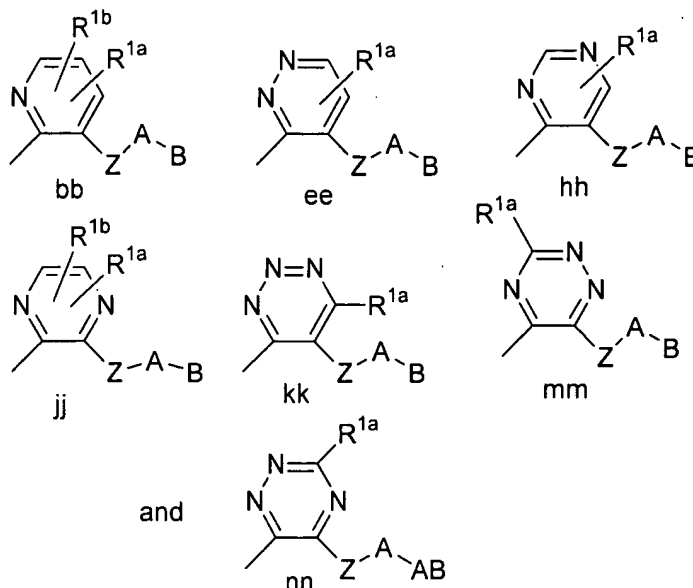
1-aminoisoquinolin-7-yl; 1,3-diaminoisoquinolin-7-yl; 1,4-diaminoisoquinolin-7-yl; 1,5-diaminoisoquinolin-7-yl; 1,6-diaminoisoquinolin-7-yl; 1-amino-3-hydroxy-isoquinolin-7-yl; 1-amino-4-hydroxy-isoquinolin-7-yl; 1-amino-5-hydroxy-isoquinolin-7-yl; 1-amino-6-hydroxy-isoquinolin-7-yl; 1-amino-3-methoxy-isoquinolin-7-yl; 1-amino-4-methoxy-isoquinolin-7-yl; 1-amino-5-methoxy-isoquinolin-7-yl; 1-amino-6-methoxy-isoquinolin-7-yl; 1-hydroxy-isoquinolin-7-yl; 4-aminoquinazol-6-yl; 2,4-diaminoquinazol-6-yl; 4,7-diaminoquinazol-6-yl; 4,8-diaminoquinazol-6-yl; 1-aminophthalaz-7-yl; 1,4-diaminophthalaz-7-yl; 1,5-diaminophthalaz-7-yl; 1,6-diaminophthalaz-7-yl; 4-aminopterid-6-yl; 2,4-aminopterid-6-yl; 4,6-diaminopterid-6-yl; 8-amino-1,7-naphthyrid-2-yl; 6,8-diamino-



1,7-naphthyrid-2-yl; 5,8-diamino-1,7-naphthyrid-2-yl; 4,8-diamino-1,7-naphthyrid-2-yl; 3,8-diamino-1,7-naphthyrid-2-yl; 5-amino-2,6-naphthyrid-3-yl; 5,7-diamino-2,6-naphthyrid-3-yl; 5,8-diamino-2,6-naphthyrid-3-yl; 1,5-diamino-2,6-naphthyrid-3-yl; 5-amino-1,6-naphthyrid-3-yl; 5,7-diamino-1,6-naphthyrid-3-yl; 5,8-diamino-1,6-naphthyrid-3-yl; 2,5-diamino-1,6-naphthyrid-3-yl; 3-aminoindazol-5-yl; 3-hydroxyindazol-5-yl; 3-aminobenzisoxazol-5-yl; 3-hydroxybenzisoxazol-5-yl; 3-aminobenzisothiazol-5-yl; 3-hydroxybenzisothiazol-5-yl; 1-amino-3,4-dihydroisoquinolin-7-yl; and, 1-aminoisindol-6-yl;

M is selected from the group:



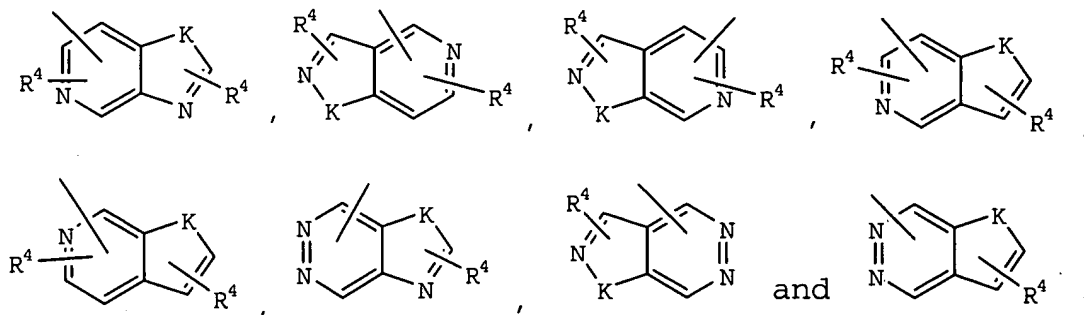


Z is selected from  $(CH_2)_rC(O)(CH_2)_r$ ,  $(CH_2)_rC(O)O(CH_2)_r$ ,  $(CH_2)_rC(O)NR^3(CH_2)_r$ ,  $(CH_2)_rS(O)_p(CH_2)_r$ , and  $(CH_2)_rSO_2NR^3(CH_2)_r$ ; and,

Y is selected from one of the following rings which are substituted with 0-2  $R^{4a}$ ;

phenyl, piperidinyl, piperazinyl, pyridyl, pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl, pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole, 1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole, 1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole, 1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-triazole, 1,3,4-triazole, benzofuran, benzothiofuran, indole, benzimidazole, benzoxazole, benzthiazole, indazole, benzisoxazole, benzisothiazole, and isoindazole;

alternatively, Y is selected from the following bicyclic heteroaryl ring systems:



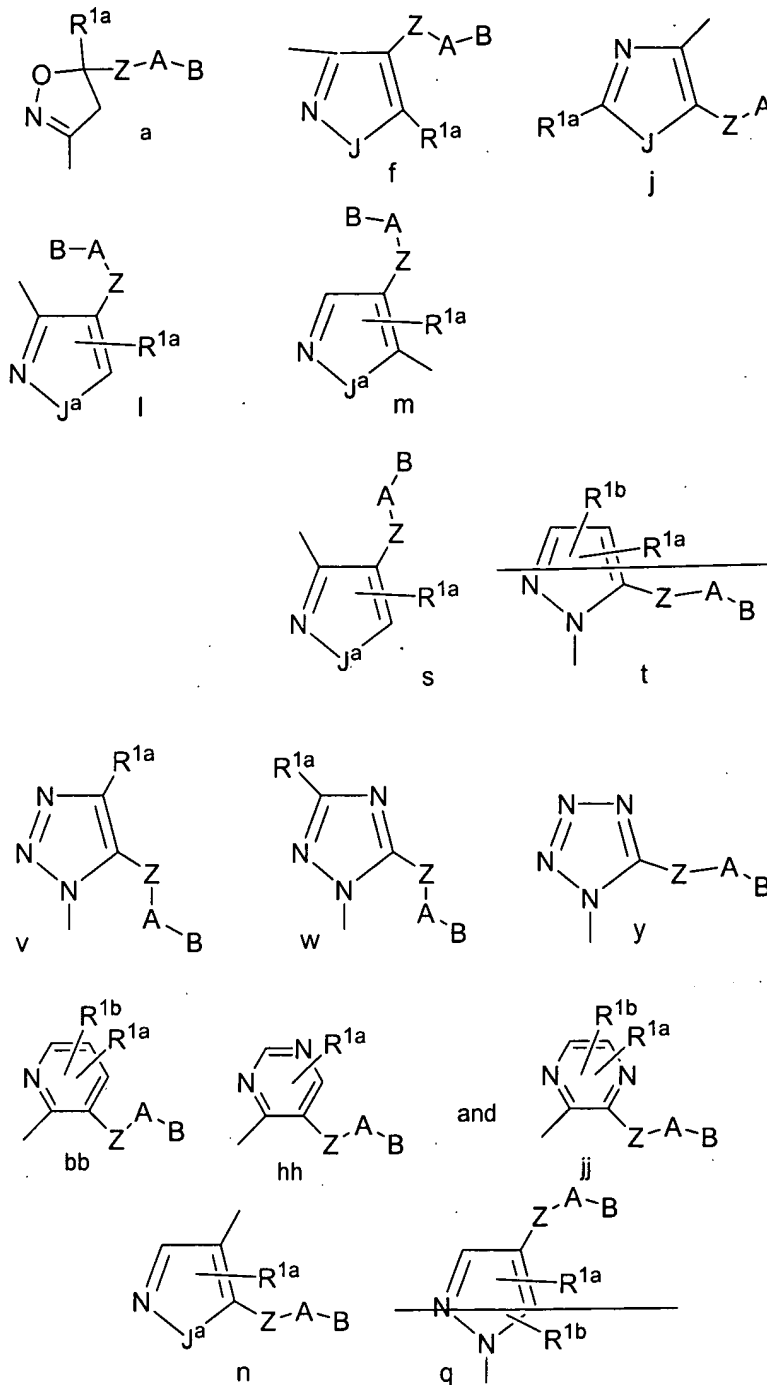
K is selected from O, S, NH, and N.

3. (Amended) A compound according to Claim 2, wherein:

D-E is selected from the group:

1-aminoisoquinolin-7-yl; 1,3-diaminoisoquinolin-7-yl; 1,4-diaminoisoquinolin-7-yl; 1,5-diaminoisoquinolin-7-yl; 1,6-diaminoisoquinolin-7-yl; 1-hydroxy-isoquinolin-7-yl; 4-aminoquinazol-6-yl; 2,4-diaminoquinazol-6-yl; 4,7-diaminoquinazol-6-yl; 4,8-diaminoquinazol-6-yl; 1-aminophthalaz-7-yl; 1,4-diaminophthalaz-7-yl; 1,5-diaminophthalaz-7-yl; 1,6-diaminophthalaz-7-yl; 4-aminopterid-6-yl; 8-amino-1,7-naphthyrid-2-yl; 5-amino-1,6-naphthyrid-3-y; 5-amino-2,6-naphthyrid-3-yl; 3-aminobenzisoxazol-5-yl; 3-aminobenzisothiazol-5-yl; 1-amino-3,4-dihydroisoquinolin-7-yl; and, 1-aminoisoindol-6-yl;

M is selected from the group:



Z is selected from  $(CH_2)_rC(O)(CH_2)_r$  and  $(CH_2)_rC(O)NR^3(CH_2)_r$ ; and,

Y is selected from one of the following rings which are substituted with 0-2  $R^{4a}$ ;

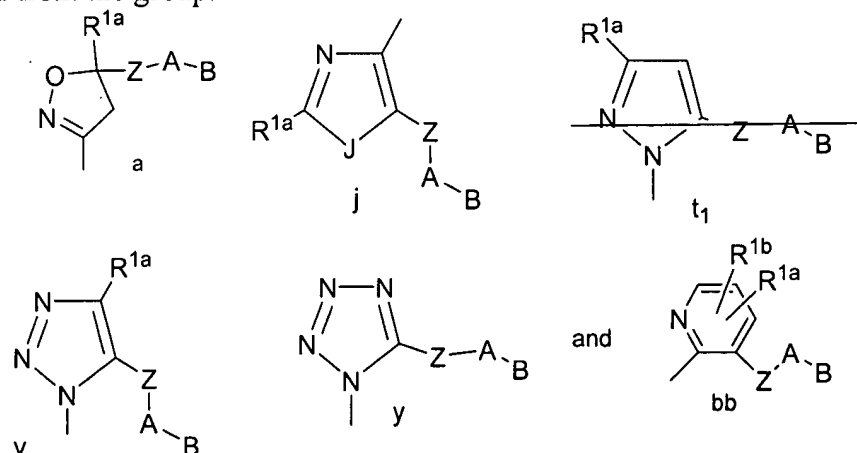
phenyl, piperidinyl, piperazinyl, pyridyl, pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl, pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole, 1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole, 1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole, 1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-triazole, 1,3,4-triazole, benzofuran, benzothiofuran, indole, benzimidazole, benzoxazole, benzthiazole, indazole, benzisoxazole, benzisothiazole, and isoindazole.

4. (Amended) A compound according to Claim 3, wherein:

D-E is selected from the group:

1-aminoisoquinolin-7-yl; 1,3-diaminoisoquinolin-7-yl; 1,4-diaminoisoquinolin-7-yl; 1,5-diaminoisoquinolin-7-yl; 1,6-diaminoisoquinolin-7-yl; 1-aminophthalaz-7-yl; 1,4-diaminophthalaz-7-yl; 1,5-diaminophthalaz-7-yl; 1,6-diaminophthalaz-7-yl; 4-aminopterid-6-yl; 8-amino-1,7-naphthyrid-2-yl; 5-amino-1,6-naphthyrid-3-yl; 5-amino-2,6-naphthyrid-3-yl; 3-aminobenzisoxazol-5-yl; 1-amino-3,4-dihydroisoquinolin-7-yl; and, 1-aminoisoindol-6-yl;

M is selected from the group:



A is selected from:

C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4</sup>, and  
5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4</sup>;

Y is selected from one of the following rings which are substituted with 0-2 R<sup>4a</sup>;

phenyl, piperidinyl, piperazinyl, pyridyl, pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl, pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, benzimidazolyl, oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole, 1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole, 1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole, 1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-triazole, and 1,3,4-triazole;

R<sup>2</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-6</sub> alkyl, benzyl, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

R<sup>2a</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-6</sub> alkyl, benzyl, phenethyl, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

R<sup>2b</sup>, at each occurrence, is selected from CF<sub>3</sub>, C<sub>1-4</sub> alkoxy, C<sub>1-6</sub> alkyl, benzyl, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

R<sup>2c</sup>, at each occurrence, is selected from CF<sub>3</sub>, OH, C<sub>1-4</sub> alkoxy, C<sub>1-6</sub> alkyl, benzyl, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R<sup>4b</sup>;

alternatively, R<sup>2</sup> and R<sup>2a</sup>, together with the atom to which they are attached, combine to form a ring selected from imidazolyl, morpholino, piperazinyl, pyridyl, and pyrrolidinyl, substituted with 0-2 R<sup>4b</sup>;

$R^4$ , at each occurrence, is selected from H, =O,  $OR^2$ ,  $CH_2OR^2$ , F, Cl,  $C_{1-4}$  alkyl,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $CH_2C(O)R^{2c}$ ,  $C(O)NR^2R^{2a}$ ,  $C(=NR^2)NR^2R^{2a}$ ,  $C(=NS(O)_2R^5)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2-C_{1-4}$  alkyl,  $S(O)_2R^5$ , and  $CF_3$

provided that if B is H, then  $R^4$  is other than tetrazole, C(O)-alkoxy, and  $C(O)NR^2R^{2a}$ ;

$R^{4a}$ , at each occurrence, is selected from H, =O,  $(CH_2)_rOR^2$ , F, Cl,  $C_{1-4}$  alkyl,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $NR^2R^{2b}$ ,  $CH_2NR^2R^{2b}$ ,  $(CH_2)_rC(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $C(O)NH(CH_2)_2NR^2R^{2a}$ ,  $NR^2C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $S(O)_2R^5$ , and  $CF_3$ ; and,

$R^{4b}$ , at each occurrence, is selected from H, =O,  $(CH_2)_rOR^3$ , F, Cl,  $C_{1-4}$  alkyl,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $C(O)NR^3R^{3a}$ ,  $C(=NR^3)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $NR^3SO_2$ -phenyl,  $S(O)_2CF_3$ ,  $S(O)_2-C_{1-4}$  alkyl,  $S(O)_2$ -phenyl, and  $CF_3$ .

5. (Original) A compound according to Claim 4, wherein: the compounds are selected from:

D-E is selected from the group:

1-aminoisoquinolin-7-yl; 1,3-diaminoisoquinolin-7-yl; 1,4-diaminoisoquinolin-7-yl; 1,5-diaminoisoquinolin-7-yl; 1,6-diaminoisoquinolin-7-yl; 8-amino-1,7-naphthyrid-2-yl; 5-amino-1,6-naphthyrid-3-y; 5-amino-2,6-naphthyrid-3-yl; 3-aminobenzisoxazol-5-yl; 1-amino-3,4-dihydroisoquinolin-7-yl; and, 1-aminoisindol-6-yl.

6. (Amended) A compound according to Claim 1, wherein the compound is selected from:

~~1-(1'-Amino-isoquinol-7'-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~

- ~~1-(1'-Amino-isoquinol-7'-yl)-3-methyl-5-[(2'-methylsulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(4'-Amino-isoquinol-7'-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(Isoquinol-7'-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- 3-(1'-Amino-isoquinol-7'-yl)-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]-5-methylisoxazoline;
- 3-(Isoquinol-5'-yl)-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]-5-methylisoxazoline;
- 3-(Isoquinol-7'-yl)-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]-5-methylisoxazoline;
- 3-(2'-Aminobenzimidazol-5'-yl)-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]-5-methylisoxazoline;
- 3-(3'-Aminoindazol-5'-yl)-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]-5-methylisoxazoline;
- 3-(3'-Aminobenzisoxazol-5'-yl)-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]-5-methylisoxazoline
- 3-(1-Amino-isoquinol-7-yl)-4-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]-1,2,3-triazole;
- 3-(4-amino-isoquinol-7-yl)-4-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]-1,2,3-triazole;
- 3-(isoquinol-7-yl)-4-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]-1,2,3-triazole;
- ~~1-(Quinol-2-ylmethyl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;~~
- ~~1-(Quinol-2-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;~~
- ~~1-(1'-Aminoisoquinol-7'-yl)-3-ethyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;~~



- ~~1-(1'-Aminoisoquinol-7'-yl)-3-isopropyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;~~
- ~~1-(2',4'-Diaminoquinazol-6'-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;~~
- ~~1-(4'-Aminoquinazol-6'-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;~~
- ~~1-(1'-Aminoisoquinol-7'-yl)-3-methyl-5-[4-(N-pyrrolidinylecarbonyl)phenylaminocarbonyl]pyrazole;~~
- ~~1-(1'-Aminophthalazin-7'-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- 3-(3'-Aminobenzisoxazol-5'-yl)-5-[[5-[(2'-aminosulfonyl)phenyl]pyrid-2-yl]aminocarbonyl]-5-(methylsulfonylaminomethyl)isoxazoline;
- 1-(3'-Aminobenzisoxazol-5'-yl)-5-[[[(2'-methylsulfonyl)-3-fluoro-[1,1']-biphen-4-yl]aminocarbonyl]tetrazole;
- 1-(3'-Aminobenzisoxazol-5'-yl)-5-[[4-(2'-methylimidazol-1'-yl)phenyl]aminocarbonyl]tetrazole;
- 1-(3'-Aminobenzisoxazol-5'-yl)-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]tetrazole;
- 1-(3'-Aminobenzisoxazol-5'-yl)-5-[(2-fluoro-4-(N-pyrrolidinocarbonyl)phenyl)aminocarbonyl]tetrazole;
- 1-(3'-Aminobenzisoxazol-5'-yl)-5-[(2-(N-pyrrolidino)-4-(N-pyrrolidinocarbonyl)phenyl)aminocarbonyl]tetrazole;
- 1-(1'-Amino-isoquinol-7'-yl)-5-[[[(2'-aminosulfonyl)-3-fluoro-[1,1']-biphen-4-yl]aminocarbonyl]tetrazole;
- 1-(1'-Amino-isoquinol-7'-yl)-5-[[[(2'-methylsulfonyl)-3-fluoro-[1,1']-biphen-4-yl]aminocarbonyl]tetrazole;
- ~~1-(1',2',3',4'-Tetrahydroisoquinol-7'-yl)-3-methyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~

- ~~1-(1'-Amino-isoquinol-7'-yl)-3-[(2'-methylaninosulfonyl-[1,1']-biphen-4-yl)carbonylamino]-5-methylpyrazole;~~
- ~~1-(4'-Amino-isoquinol-7'-yl)-3-methyl-5-[(2'-methylsulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2'-methylsulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2-fluoro-4-(N-pyrrolidinocarbonyl)-phenyl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2'-methylsulfonyl-3-fluoro-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2'-aminosulfonyl-3-fluoro-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(5-(2'-methylsulfonylphenyl)pyrid-2-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-methyl-5-[(2'-aminosulfonyl-3-fluoro-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-methyl-5-[(2'-methylsulfonyl-3-fluoro-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2'-aminosulfonyl-3-chloro-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2'-aminosulfonyl-3-methyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Amino-isoquinol-7'-yl)-3-trifluoromethyl-5-[(2'-methylaninosulfonyl-[1,1']-biphen-4-yl)carbonylamino]pyrazole;~~
- ~~1-(1'-Aminoisoquinol-7'-yl)-3-ethyl-5-[(2'-methylaninosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;~~

- 1-(1'-Aminoisoquinol-7'-yl)-3-ethyl-5-[(2'-methylsulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-propyl-5-[(2'-aminosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-propyl-5-[(2'-methylaninosulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-propyl-5-[(2'-methylsulfonyl-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-ethyl-5-[(2'-aminosulfonyl-3-fluoro-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-ethyl-5-[(2'-methylsulfonyl-3-fluoro-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-ethyl-5-[4-(N-pyrrolidinocarbonyl-1-yl)phenylaminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-trifluoromethyl-5-[4-(imidazol-1'-yl)phenylaminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-trifluoromethyl-5-[3-fluoro-4-(2-methylimidazol-1'-yl)phenylaminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-trifluoromethyl-5-[4-(2-methylimidazol-1'-yl)phenylaminocarbonyl]pyrazole;
- 1-(1'-Aminoisoquinol-7'-yl)-3-trifluoromethyl-5-[2-fluoro-4-(2-methylimidazol-1'-yl)phenylaminocarbonyl]pyrazole;
- 1-(3'-Aminomethylnaphth-2'-yl)-3-trifluoromethyl-5-[(2'-methylsulfonyl-3-fluoro-[1,1']-biphen-4-yl)aminocarbonyl]pyrazole; and,
- 1-(3'-Aminobenzisoxazol-5'-yl)-5-[(2'-methylsulfonyl-3-fluoro-[1,1']-biphen-4-yl)aminocarbonyl]triazole;
- 1-(3'-Aminobenzisoxazol-5'-yl)-5-[(2'-aminosulfonyl-3-fluoro-[1,1']-biphen-4-yl)aminocarbonyl]triazole;

or pharmaceutically acceptable salt thereof.

7. (Original) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt thereof.

8. (Original) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 2 or a pharmaceutically acceptable salt thereof.

9. (Original) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 3 or a pharmaceutically acceptable salt thereof.

10. (Original) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 4 or a pharmaceutically acceptable salt thereof.

11. (Original) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 5 or a pharmaceutically acceptable salt thereof.

12. (Original) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 6 or a pharmaceutically acceptable salt thereof.

13. (Previously Presented) A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt thereof.

14. (Previously Presented) A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 2 or a pharmaceutically acceptable salt thereof.

15. (Previously Presented) A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 3 or a pharmaceutically acceptable salt thereof.

16. (Previously Presented) A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 4 or a pharmaceutically acceptable salt thereof.

17. (Previously Presented) A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 5 or a pharmaceutically acceptable salt thereof.

18. (Previously Presented) A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 6 or a pharmaceutically acceptable salt thereof.